

IN THE CLAIMS

Please amend the claims as follows:

1. (Previously Presented) An absolute position detecting device for a linear actuator having a motor, an output shaft, and a conversion means for converting output rotation of the motor to linear motion of the output shaft, comprising:  
  
a rotary absolute sensor that detects an absolute rotary position per rotation of the  
  
motor;  
  
a linear absolute sensor that detects an absolute linear position within a set range  
  
of movement of the output shaft; and,  
  
calculation means for calculating an absolute linear position of the output shaft  
  
based on a combination of an output of the rotary absolute sensor and an  
  
output of the linear absolute sensor; wherein  
  
the range of movement of the output shaft over which the absolute linear position  
  
can be detected by the linear absolute sensor is different from a distance  
  
by which the output shaft is moved per rotation of the motor as converted  
  
by the conversion means.
2. (Previously Presented) The device according to claim 1, wherein the rotational absolute sensor is a motor control encoder affixed to the motor output shaft.